

s/n: 10/050,881  
date: 12/9/05

MIYAUCHI-YUJI\$9.in. or IYAMA-NORIYUKI\$9.in. or KOBAYASHI-YUKO\$9.in. or TAKADA-KATSUHIRO\$9.in. or YAMANASHI-116 TAKANORI\$9.in.	USPAT US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	12/9/05 21:08
2170 1 and (((variable adj foc\$2) zoom vari\$1foc\$2) adj2 lens)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	12/9/05 21:11
28794 (((variable adj foc\$2) zoom vari\$1foc\$2) adj2 lens)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	12/9/05 21:10
62 2 and 4 MIYAUCHI-YUJI\$9.in. or IYAMA-NORIYUKI\$9.in. or KOBAYASHI-YUKO\$9.in. or TAKADA-KATSUHIRO\$9.in. or YAMANASHI-116 TAKANORI\$9.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	12/9/05 21:10
62 L6 and ((variable adj foc\$2 zoom vari\$1foc\$2) adj2 lens)	USPAT US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	12/9/05 21:10
0 5 not L7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	12/9/05 21:10
339 3 and (chief or principle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	12/9/05 21:11
88 9 and pixel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	12/9/05 21:12
12438 @ad>="20050615"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	12/9/05 21:12
1 1 and 11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	12/9/05 21:13
31 4 and 11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	12/9/05 21:13
3007 ((359/663,676,680,686,689,691) or (348/240.99,240.3)).CCLS. (image and pick\$2up and chief and ray and lens and pixel and plane 2 and angle and zoom).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	12/9/05 21:23
1937 S1 and ((variable adj foc\$2 zoom vari\$1foc\$2) adj2 lens) MIYAUCHI-YUJI\$9.in. or IYAMA-NORIYUKI\$9.in. or KOBAYASHI-YUKO\$9.in. or TAKADA-KATSUHIRO\$9.in. or YAMANASHI-113 TAKANORI\$9.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	12/9/05 21:51
((359/663,740,676,686,689,391,680) or 3893 (348/240.99,240.3.335,340)).CCLS.	USPAT US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	12/9/05 21:08
2 S21 and (chief with angle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	12/9/05 21:07
	IBM_TDB	6/6/05 17:29

4 S20 and (chief with angle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/6/05 17:29
57 S1 and S20 telecentric\$3 same ((variable adj foc\$2 zoom vari\$1foc\$2) adj2 lens) same (ccd or cmos or (charge adj2 couple\$2 adj2 device) or (solid adj2 97 state adj2 imag\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/6/05 17:28
5 angle with (chief adj2 ray) with (farthest adj2 axis adj2 ray)  (("6308011") or ("6185048") or ("6331917") or ("20020057502") or 14 ("6124984")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/6/05 17:25
1 S16 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/6/05 16:56
33 359/663.ccls. and ((variable adj foc\$2 zoom vari\$1foc\$2) adj2 lens)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/6/05 16:55
60 S15 and ((variable adj foc\$2 zoom vari\$1foc\$2) adj2 lens) 5 angle same (chief adj2 ray) same plane same (wide\$2angle) 1 ("5071237").URPN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB USPAT USPAT	6/6/05 16:51
544 S2 and (pixel or ccd or cmos or (imag\$4 with pick\$2up))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/6/05 15:35
37 S11 and (chief adj2 ray)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/6/05 15:35
1667 S2 and (pixel or ccd or cmos or (imag\$4 with pick\$2up) or imag\$4)  (pixel or ccd or cmos or (imag\$4 with pick\$2up) or imag\$4) with (ccd or 3E+06 cmos or (imag\$4 with pick\$2up) or imag\$4)	USPAT USPAT US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/6/05 15:33
2902 S1 and S9  (pixel or ccd or cmos or (imag\$4 with pick\$2up) or imag\$4) and (ccd or 3E+06 cmos or (imag\$4 with pick\$2up) or imag\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/6/05 14:50
  (pixel or ccd or cmos or (imag\$4 with pick\$2up) or imag\$4) same (ccd 3E+06 or cmos or (imag\$4 with pick\$2up) or imag\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/6/05 14:46
1667 S2 and (ccd or cmos or (imag\$4 with pick\$2up) or imag\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/6/05 14:46
4 S3 and pixel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	6/6/05 14:45

## Interference Search History

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(image and pick\$2up and chief and ray and lens and pixel and plane  
2 and angle and zoom).clm.

US-PGPUB; USPAT

12/9/05 21:51